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IS 10367 (1983): Dimensions for crystal and dial openings
(shaped or circular) for watch cases [PGD 23: Horology]

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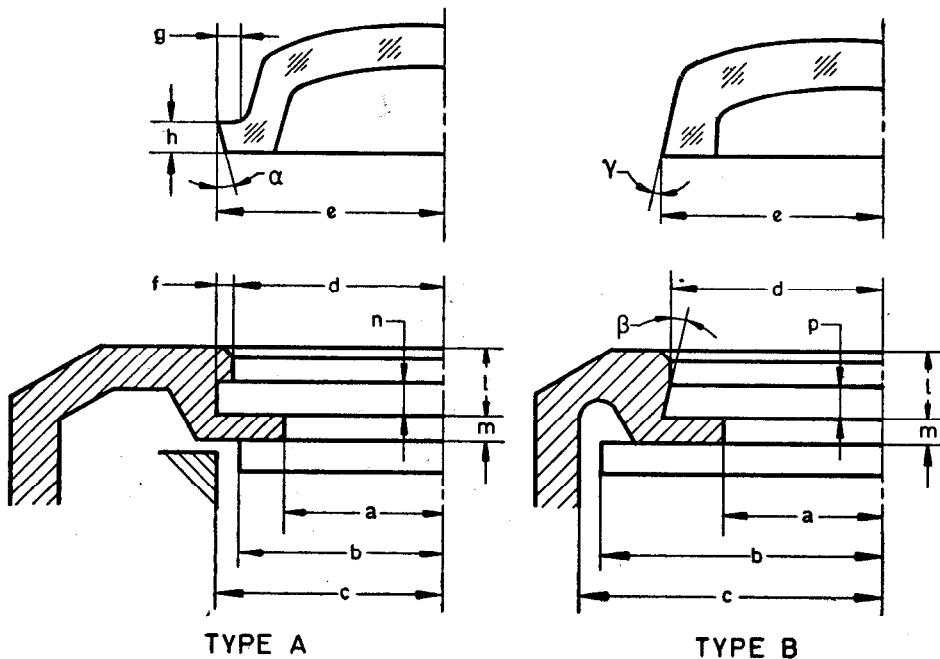
Indian Standard
**DIMENSIONS FOR
CRYSTAL AND DIAL OPENINGS (SHAPED OR CIRCULAR)
FOR WATCH CASES**

1. Scope — Covers the terminology and dimensions relevant to crystal fitting in bezels of shaped or circular dial openings of the following types:

Type A Grooved type crystal seat in bezel.

Type B Undercut type crystal seat in bezel.

2. Terminology — see Fig. 1.



- a — Dimension of dial opening
- b — Dimension of dial
- c — Dimension of dial seat
- d — Dimension of opening in bezel for crystal
- e — Fitting dimension of crystal
- f — Depth of groove for crystal seating
- g — Width of crystal flange
- h — Thickness of crystal flange

- i — Height of crystal seating in bezel
- m — Thickness of crystal seating flange
In bezel
- n — Width of groove for crystal seating
- p — Width of undercut for crystal seating
- alpha — Crystal fitting angle in crystal
- beta — Crystal seating angle in bezel
- gamma — Bevel angle in crystal

FIG. 1

3. Dimensions (see Fig. 1)

All dimensions in millimetres.

a	Based on shape and size of dial opening
b	$a + 1.00 \text{ Min}$
c	$a + 1.40 \text{ Min}$
d	$a + 1.00 \text{ Min}$
e (see Note 1)	$d + 0.50 \text{ Min}$ for Type A $d + 0.20 \text{ Min}$ for Type B
f	0.20 Min
g	0.40 Min
h	0.40 Max
i	0.80 Min for a less than or equal to 25.00 1.00 Min for a greater than 25.00
m	0.30 Min
n	0.40 Min
p	0.40 Min
α	2° or 4°
β (see Notes 1 and 2)	20°
γ	$\beta - 5^\circ$ (2° Min)

Note — 1 Dimension may be modified to suit the desired fit.**Note — 2** Crystal fixing cement may be employed for angles less than 5°.

EXPLANATORY NOTE

This Standard is one of a series of Indian Standards relating to wrist watch cases. In the preparation of this standard assistance has been derived from NIHS 60-12 : 1966 Boîtes de forme — Profils du cran de glace. Normes De L'Industrie Horlogere Suisse.